

Comparison	Outcome/Time point	Medication Group	Placebo Group	Mean Difference	Mean/SD
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Appendix Table B: Calculation of effect sizes for trials comparing different medications [posted as supplied by author]

Study, Year (Reference)			N		Mean (SD)*		(95 %CI)		estimate
Medication A/Medication B									
NSAIDs vs NSAIDs									
Rachid, 1992 ³⁹	Diclofenac 150mg vs Ketoprofen 200mg	Overall pain/Immediate	30	27.2 (25.6)	30	36.1 (25.6)	-8.9 (-21.9 to 4.1)		
Dreisser et al, 2001 ²⁸	Diclofenac 150mg vs Meloxicam 7.5mg	Overall pain/Immediate	144	-40.0 (24.0)	149	-40.0 (24.0)	0.0 (-15.2 to 15.2)	†	
	Diclofenac 150mg vs Meloxicam 15 mg	Overall pain/Immediate	144	-40.0 (24.0)	138	-41.0 (23.5)	1.0 (-4.5 to 6.5)	†	
Herrmann and Geertsen, 2009 ³³	Diclofenac 50-150mg vs Lornoxicam 8mg	Overall pain/Immediate	55	-24.0 (25.8)	53	-22.0 (25.8)	-2.0 (-11.7 to 7.7)	‡	
Scheurmans and Rauis, 1988 ⁴⁰	Tiaprofenic 400mg vs Alclofenac 1312mg	Overall pain/Immediate	13	20.2 (29.7)	10	23.5 (22.8)	-3.3 (-25.5 to 18.9)		
Borms, 1988 ²⁵	Tiaprofenic 400mg vs ketropofen 200mg	Overall pain/Immediate	17	19.7 (22.9)	16	36.0 (28.2)	-16.3 (-33.7 to 1.2)		
Auvinet et al, 1995 ²²	Meloxicam 15mg (oral vs intramuscular)	Overall pain/Immediate	46	32.6 (18.2)	52	27.2 (20.2)	5.4 (-2.3 to 13.1)	†	
NSAID vs Antidepressant									
Kanayama et al, 2005 ³⁶	Diclofenac 75mg vs 5-HT inhibitor	Leg Pain/Immediate	20	50.0 (32.0)	20	36.0 (24.0)	14.0 (-3.5 to 31.5)		
		Back Pain/Immediate	20	39.0 (34.0)	20	38.0 (30.0)	1.0 (-18.9 to 20.9)		
NSAID vs Conservative treatment									
Wang and La, 2004 ⁴¹	Diclofenac 50mg vs Electroacupuncture	Leg pain/Immediate	15	25.3 (25.6)	21	21.0 (25.6)	4.3 (-12.7 to 21.3)		
NSAID vs Corticosteroids									
Dincer et al, 2007 ²⁷	Diclofenac 75mg vs CEI	Overall pain/Immediate	30	53.0 (9.0)	34	33.0 (9.0)	20.0 (15.5 to 24.4)		
		Overall pain/Short-term	30	41.0 (15.0)	34	33.0 (13.0)	8.0 (1.1 to 14.9)		
		Disability/Immediate	30	28.4 (5.4)	34	19.5 (6.4)	8.9 (6.0 to 11.8)		
		Disability/Short-term	30	20.3 (10.1)	34	16.2 (9.4)	4.1 (-0.7 to 8.9)		
Braun and Huberty, 1982 ²⁶	Ketoprofen vs Corticosteroids combination	Overall pain/Immediate	17	42.5 (25.6)	20	39.2 (25.6)	3.3 (-13.3 to 19.9)		

N = sample size for group; 95%CI = 95% confidence interval; SD = standard deviation; NSAID = non-steroidal anti-inflammatory drugs.

* Positive mean values are post intervention scores and negative scores are change scores.

† SD estimated from standard error

‡ Average SD adopted from a similar study (Dreisser et al²⁸)

|| Average SD adopted from a similar study (Borms et al²⁵)